

RN98170

Serial No: 09/856,808

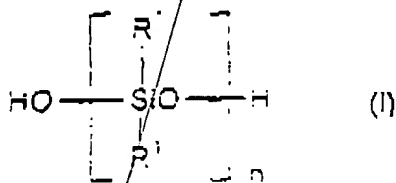
Amendment

- step 2: blending or compounding by adding in any order into the reacted mixture obtained in step 1, which is kept stirred, an inorganic filler G comprising an amorphous silica in the form of a solid, an effective amount of a curing catalyst H as defined below, comprising at least one organic titanium derivative, optionally, at least one nonreactive linear diorganopolysiloxane F as defined below, and, optionally, at least one auxiliary agent I, and

- step 3: subjecting the blended or compounded mixture obtained in step 2, which is kept stirred, to a devolatilization operation carried out under a pressure below atmospheric pressure.

wherein

- the reactive linear diorganopolysiloxane A is of formula (I):



wherein:

R' substituents, which are identical or different, represent an aliphatic, cyclic or aromatic, saturated or unsaturated, substituted or unsubstituted, C₁ to C₁₁, monovalent hydrocarbonaceous group.

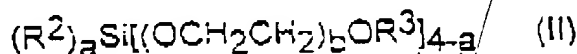
n has a value sufficient to confer, on the diorganopolysiloxanes of formula (I), a dynamic viscosity at 25°C from 1 000 to 1 000 000 mPa.s.

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the hydroxylated organopolysiloxane resin B exhibits in its structure, at least two different units selected from the group consisting of the units of formulae $(R^1)_3SiO_{1/2}$ (M unit), $(R^1)_2SiO_{2/3}$ (D unit), $R^1SiO_{3/4}$ (T unit) and SiO_2 (Q unit), at least one of these units being a T or Q unit, said R^1 groups, which are identical or different, being as defined above in formula (I), said resin containing hydroxyl groups and having a content by weight of hydroxyl group ranging from 0.1 to 10%,
 the polyalkoxysilane C is of formula (II):



wherein:

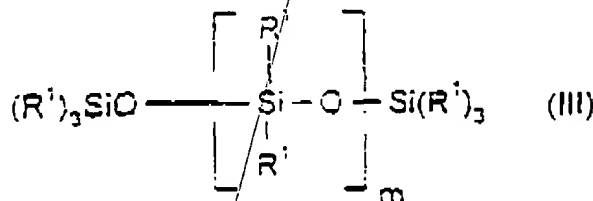
R^2 represents an aliphatic, cyclic or aromatic, saturated or unsaturated, substituted or unsubstituted, C_1 to C_{13} monovalent hydrocarbonaceous group

R^3 , which is identical or different, represents a linear or branched C_1 to C_4 alkyl group.

a is zero or 1.

b is zero or 1.

the nonreactive linear diorganopolysiloxane F is of formula (III):



wherein:

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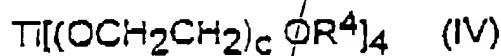
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Amendment

R^1 , which is identical or different, is as defined above in formula I.

m has a value sufficient to confer, on the polymers of formula (III), a dynamic viscosity at 25°C from 10 to 200 000 mPa.s:

- the catalyst H is selected from the group consisting of H1 monomers and H2 polymers, H1 monomers being of formula (IV)



wherein:

R^4 , which is identical or different, represents a linear or branched C_1 to C_{12} alkyl group,

c is zero, 1 or 2,

provided that when the c symbol represents zero, R^4 has from 2 to 12 carbon atoms and, when the c symbol represents 1 or 2, R^4 has from 1 to 4 carbon atoms.

H2 polymers resulting from the partial hydrolysis of monomers of formula (IV) in which the R^4 symbol has the above mentioned meaning with the c symbol represent zero.

Please amend claim 21 as follows:

21. (Amended) Compositions according to claim 14, wherein the catalyst D is a lithium hydroxide of formula $LiOH$ or $LiOH \cdot H_2O$.

Please amend claim 24 as follows:

24. (Amended) Compositions according to claim 14, wherein the curing catalyst H is an organic titanium derivative including the H1 monomers of formula (IV) or the H2